

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1 1. (Previously Presented) A method for sizing the hardware resources for a
2 yet-to-be built database management system, the method comprising the steps of:
3 providing one or more desired hardware utilization limits for the yet-to-be built database
4 management system;
5 obtaining one or more throughput workload requirements for the yet-to-be built database
6 management system; and
7 determining the hardware resources needed for the yet-to-be built database management
8 system to satisfy the one or more throughput workload requirements while remaining within the
9 desired hardware utilization limits.

1 2. (Previously Presented) A method as recited in claim 1, the method further
2 comprising the steps of:
3 accepting user entered changes to the desired hardware utilization limits;
4 re-determining the hardware resources needed to remain within said desired hardware
5 utilization limits; and
6 outputting the determined hardware resources to the human user in a format to advise the
7 human user.

1 3. (Previously Presented) A method as recited in claim 1, the method further
2 comprising the steps of:
3 obtaining selected database requirements including an expected database size; and
D1 4 determining the hardware resources needed for the yet-to-be built database management
5 system to satisfy the selected database requirements while remaining within the desired hardware
6 utilization limits.

1 4. (Canceled)

1 5. (Previously Presented) A method as recited in claim 2, wherein the one or
2 more throughput workload requirements includes a transactions per second requirement.

1 6. (Previously Presented) A method as recited in claim 5, wherein the
2 determining and re-determining steps include determining the hardware resources needed as a
3 function of the transactions per second requirement.

D2 1 7. (Previously Presented) A method as recited in claim 2, wherein said
2 hardware resources include a number of processors.

1 8. (Previously Presented) A method as recited in claim 7, wherein said
2 determining and re-determining steps include determining said number of processors as a
3 function of the transactions per second requirement.

1 9. (Previously Presented)

A method as recited in claim 7, wherein the desired

2 hardware utilization limits include a desired percent processor utilization and said accepting step
3 includes accepting changes to said desired percent processor utilization and said determining and
4 re-determining steps includes determining said hardware resources such that said desired percent
5 processor utilization limits is maintained and includes changing said number of processors
6 required when necessary to remain within said desired processor utilization limits.

1 10. (Previously Presented)

A method as recited in claim 9, wherein said desired

2 percent processor utilization limit include upper an utilization limit to prevent over utilization of
3 said processors and said determining and re-determining steps include determining said number
4 of processors needed to keep below said upper limit to prevent over utilization of said
5 processors.

1 11. (Previously Presented)

A method as recited in claim 10, wherein said

2 desired percent processor utilization limit includes a lower utilization limit to prevent under
3 utilization of said processors.

1 12. (Previously Presented)

A method as recited in claim 11, wherein said

2 determining and re-determining steps include determining said number of processors needed to
3 remain above said lower limit to prevent under utilization of said processors.

1 13. (Previously Presented)

A method as recited in claim 10, wherein said

2 desired hardware utilization limits include a desired network interface card utilization limit and

3 said determining and re-determining steps include determining said hardware requirements
4 within said desired network interface card utilization limits and includes changing said number
5 of network interface cards required when necessary to remain within said network interface card
6 utilization limits.

1 14. (Previously Presented) A method as recited in claim 13, wherein said network
2 interface card utilization limit includes a lower utilization limits to prevent under utilization of
3 said network interface cards and said determining and re-determining steps include determining
4 said number of network interface cards needed to remain above said lower limit to prevent under
5 utilization of said network interface cards.

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1 15. (Previously Presented) A method as recited in claim 14, wherein said
2 network interface card utilization limit includes an upper utilization limit to prevent over
3 utilization of said network interface cards and said determining and re-determining steps include
4 determining said number of network interface cards needed to remain below said upper limit to
5 prevent over utilization of said network interface cards.

1 16. (Previously Presented) A computerized method for calculating hardware
2 resource requirements for a yet-to-be built database management system computer comprising
3 the steps of:
4 establishing default values for selected hardware utilization limits;
5 initializing said selected hardware utilization limits to said default values;

6 obtaining a workload requirement from said human user; and
7 determining said hardware resource requirements as a function of said workload
8 requirement while remaining within said selected hardware utilization limits.

1 17. (Previously Presented) A computerized method as recited in claim 16, the
2 method further comprising the steps of:
3 obtaining new hardware utilization limits from said human user;
4 re-determining said hardware resource requirements while remaining within said
5 hardware utilization limits; and
6 displaying the determined hardware resource requirements in a format to advise the user
7 of the hardware resource requirements for a yet-to-be built database management system
8 computer to meet the user entered workload requirement.

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1 18. (Previously Presented) A computerized as recited in claim 17, wherein said
2 hardware resource requirements include a specified discrete numbers of hardware components.

1 19. (Previously Presented) A computerized method as recited in claim 18,
2 wherein and said determining and re-determining steps include determining said specified
3 number of hardware components.

1 20. (Previously Presented) Computer executable code stored on machine

2 readable media for sizing the hardware resources for a yet-to-be built database management

3 system, the computer executable code performing the steps of:

4 providing one or more desired hardware utilization limits for the yet-to-be built database

5 management system;

6 obtaining one or more throughput workload requirements for the yet-to-be built database

7 management system; and

8 determining the hardware resources needed for the yet-to-be built database management

9 system to satisfy the one or more throughput workload requirements while remaining within the

10 desired hardware utilization limits.